



# Plant for organic wastes

## Loughgall, Northern Ireland (GBR)

### Project data

Start of construction: January 2015  
Commissioning: October 2015  
Input materials: Vegetable waste from processing factory and packaging unit  
Cattle slurry  
Vegetable wash water  
Small amounts of whole crop rye, maize and grass silage

### Technical data

Input technology: 80m<sup>3</sup> dosing feeder  
**MULTIMix**  
Pre-storage: Underground liquid wastes reception tanks  
Digester: 2x 2,625m<sup>3</sup> (Ø 23.03m, H 6.30m)  
Storage tank: 5,908m<sup>3</sup> (Ø 34.55m, H 6.30m)  
CHP: 500kW<sub>el</sub>

### Characteristics

The plant belongs to a long-established vegetable growing, packaging and distribution company. Vegetable wastes from the sorting, washing and packaging will be topped up to 500kW<sub>el</sub> with cattle slurry and small tonnages of whole crop rye, maize and grass silage. Electricity will be used towards a cold store that will be built on site, and excess heat is used in the washing/packing facility. The WELTEC **MULTIMix** ensures the optimal maceration of vegetables and fibrous silage, and will enhance digestion and reduce wear and tear as well as energy use within the digester.



The production waste is used for energy production.



The double-propeller-agitator in the digester provides good mixing.



Organic energy worldwide